ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 604 (2000) 312–314

Journal of Organometallic Chemistry

Contents of Volume 604

Regular Papers

Syntheses and crystal structure of bridged Os_3-clusters with chiral 3-carane-type ligands
V.A. Maksakov, V.P. Kirin, P.A. Petukhov, T.V. Rybalova, Y.V. Gatilov, A.V. Tkachev 1

Alkyl migration reactions—the direct observation of the preferential migration of branched over linear alkyl groups
E.J. Cammell, J.-A.M. Andersen 7

Synthesis and structure of *ansa*-metallocene complexes (M = $ZrCl_2$, $TiCl_2$, YCl, and LuCl) containing the bis(2-methyl-4,5,6,7-tetrahydroinden-yl)dimethylsilane ligand
R.L. Halterman, H. Schumann, F. Dübner 12

Synthesis, structure, and photochemical reaction of 9,10-dihydro-9-silaanthracene derivatives carrying bulky substituents
K. Nishiyama, M. Oba, H. Takagi, I. Fujii, N. Hirayama, Narisu, H. Horiuchi, T. Okutsu, H. Hiratsuka 20

^{59}Co-NMR spectroscopy of the tetrahedral cluster $Co_4(CO)_{12}$: relaxation and exchange
C. Sizun, P. Kempgens, J. Raya, K. Elbayed, P. Granger, J. Rosé 27

The organometallic double metal cyanide $[(Me_2Sn)_3\{Co(CN)_6\}_2 \cdot 6H_2O]$. A three-dimensional framework of infinite, stapled ribbons
E. Siebel, R.D. Fischer, N.A. Davies, D.C. Apperley, R.K. Harris 34

Reactions of trifluorovinyl-trifluoromethylboron derivatives, structure of $(F_2C{=}CF)(F_3C)_2B{\cdot}NHMe_2$ and $(HOOC)(F_3C)_2B{\cdot}NHMe_2$
D.J. Brauer, G. Pawelke 43

Synthesis and properties of chiral rhenium pentatetraenylidene complexes of the formula $[(\eta^5\text{-}C_5Me_5)Re(NO)(PPh_3)(=C{=}C{=}C{=}C{=}CAr_2)]^+$ BF_4^- (CAr_2 = 9-fluorenylidene)
S. Szafert, P. Haquette, S.B. Falloon, J.A. Gladysz 52

Novel 18-crown-6 organometallic rubidium and cesium complexes containing cyclopentadienyl, indenyl, pentamethylcyclopentadienyl, and fluorenyl as carbanions
S. Neander, U. Behrens, F. Olbrich. 59

Darstellung und Eigenschaften Heterobimetallischer Komplexe — Kristallstruktur von $[(acac)_3Zr{-}OCCo_3(CO)_9]$
K. Kluwe, K.-H. Thiele, A. Sorkau, A. Sisak, B. Neumüller 68

Phosphane coordination to rare earth metal centers: monomeric, solvent-free complexes of type Cp'_2LnX with phosphanoethyl substituted cyclopentadienyl ligands
H.H. Karsch, V.W. Graf, W. Scherer 72

Diverse catalytic activity of the cationic actinide complex $[(Et_2N)_3U][BPh_4]$ in the dimerization and hydrosilylation of terminal alkynes. Characterization of the first f-element alkyne π-complex $[(Et_2N)_2U(C{\equiv}C'Bu)(\eta^2\text{-}HC{\equiv}C'Bu)][BPh_4]$
A.K. Dash, J.X. Wang, J.C. Berthet, M. Ephritikhine, M.S. Eisen. 83

Rhodium-catalyzed reduction of α-amino acid precursors using chiral 4-(diphenylphosphanyl)-1-(dialkylamino)butane ligands
F. Robert, D. Sinou. 99

Synthetic and reactivity studies of mono- and dicyclopentadienyl titanium, zirconium and hafnium complexes with the chlorodimethylsilylcyclopentadienyl ligand. X-ray molecular structure of $Hf\{(\eta^5\text{-}C_5H_4)SiMe_2OSiMe_2(\eta^5\text{-}C_5H_4)\}Cl_2$ and $Zr(\eta^5\text{-}1,3\text{-}{}^tBu_2C_5H_3)(\eta^5\text{-}C_5H_4SiMe_2\text{-}\eta\text{-}N'Bu)Cl$
S. Ciruelos, A. Sebastián, T. Cuenca, P. Gómez-Sal, A. Manzanero, P. Royo 103

Formation of elastomeric polypropylene promoted by the dynamic complexes $[TiCl_2\{N(PPh_2)_2\}_2]$ and $[Zr(NPhPPh_2)_4]$
O. Kühl, T. Koch, F.B. Somoza, Jr., P.C. Junk, E. Hey-Hawkins, D. Plat, M.S. Eisen 116

Chelated η^5-cyclopentadienyl-η-ethyl complexes of molybdenum and tungsten; molecular structure of $W(\eta^5\text{-}C_5H_4CH_2\text{-}\eta\text{-}CH_2)(CO)_3$
F. Amor, P. Royo, T.P. Spaniol, J. Okuda 126

Synthesis and structure of fluorinated dialacycles
M. Tschinkl, T.M. Cocker, R.E. Bachman, R.E. Taylor, F.P. Gabbaï 132

Conference Calendar 137
Author Index of Volume 604, Issue 1 139

Regular Papers

Unprecedented effects of the trimethylsilyl group on the reactivity of 3C-silylated silacyclopentenes and their derivatives
R. Boukherroub, G. Manuel 141

Syntheses and reactions of ruthenium complexes containing C_6 and C_8 chains
M.I. Bruce, B.D. Kelly, B.W. Skelton, A.H. White 150

Novel synthesis of indazoles from (η^6-arene)tricarbonylchromium complexes
M.R.G. da Costa, M.J.M. Curto, S.G. Davies, M.T. Duarte, C. Resende, F.C. Teixeira 157

Metal-induced B–H activation. Addition of phenylacetylene to Cp*Rh-, Cp*Ir-, (*p*-cymene)Ru- and (*p*-cymene)Os halfsandwich complexes containing a chelating 1,2-dicarba-*closo*-dodecaborane-1,2-dichalcogenolate ligand
M. Herberhold, H. Yan, W. Milius, B. Wrackmeyer 170

Oxidative addition of alkyl halides to chiral cyclometallated platinum(II) complexes with thienyl imines. X-ray crystal structure of [PtMe{3-((*S*)-PhCHMeNCH)C_4H_2S}SMe_2]
C. Anderson, M. Crespo, M. Font-Bardía, X. Solans 178

Réactivité du 3,3-bis(triméthylsilyl)propène vis-à-vis des ions iminium issus d'amines secondaires. Accès stéréosélectif à des (*E*)-β-aminovinylsilanes
B. Princet, H. Gardès-Gariglio, J. Pornet 186

2,2′:6′,2″-Terpyridine complexes of molybdenum(II) and tungsten(II). X-ray crystal structures of [MoI(CO)(terpy)(η^2-PhC_2Ph)]I and [WI(terpy)(η^2-PhC_2Ph)$_2$]I·$CDCl_3$
N. Aimeloglou, P.K. Baker, M.G.B. Drew, B. Glaeser, F. Holland, M.M. Meehan 191

Synthesis and crystal structures of [Rh(TTP)$(CH_3)]_2$(μ-CNpy) and [Rh(TTP)(C_8H_{11})] (TTP = 5,10,15,20-tetra(*p*-tolyl)porphyrin dianion; CNpy = 4-cyanopyridine; C_8H_{11} = (5-norbornen-2-yl)methyl)
Wa.-H. Leung, W. Lai, I.D. Williams 197

First structural characterization of completely alkyl-substituted Al–Sb Lewis acid–base adducts
S. Schulz, A. Kuczkowski, M. Nieger 202

Carbanion mechanisms XXI. Solution acidity of triphenylsilane
E. Buncel, T.K. Venkatachalam 208

Reaction of trimethylsilyl azide with a digermene in the presence of water: 1,2-addition of hydrazoic acid
H. Schäfer, W. Saak, M. Weidenbruch 211

Reaction of [(μ-RE)(μ-CO)$Fe_2(CO)_6]^-$ (E = S, Se) with N_2CHCO_2Me. Synthesis and characterisation of (μ-RE)[μ-η^2-N=NCH(R′)CO_2Me]$Fe_2(CO)_6$ and (μ-PhSe)[μ-η^1-N=NCH(Me)CO_2Me]$Fe_2(CO)_6$
Z.-X. Wang, S.-B. Miao, Z.-Y. Zhang 214

Mixed carbonyl–nitrile complexes of dirhenium(II). The structural characterization and reactivity of salts of the [Re_2Cl_3(μ-dppm)$_2$(CO)$(NCMe)_n]^+$ cations (dppm = $Ph_2PCH_2PPh_2$, *n* = 1 or 2)
J. Chantler, P.E. Fanwick, R.A. Walton 219

Rigid five-coordinate diorganotin derivatives of oxalic acid diamides, studied by ^{119}Sn-NMR and X-ray structural analysis
R. Contreras, V.M. Jimenez-Perez, C. Camacho-Camacho, M. Güizado-Rodriguez, B. Wrackmeyer 229

Cationic molybdenum complexes with P-coordinated (diphenylphosphino)alkynes
E. Louattani, J. Suades 234

Reactions of nickelocene with diphenylmethyl- and triphenylmethyllithium
S. Pasynkiewicz, A. Pietrzykowski, L. Bukowska, K. Słupecki, L.B. Jerzykiewicz, Z. Urbańczyk-Lipkowska 241

Schiff base linked ferrocenyl complexes for second-order nonlinear optics
S.K. Pal, A. Krishnan, P.K. Das, A.G. Samuelson 248

Synthesis, structure and reactions of 1-(*p*-chlorophenyl)-3-(2,4,6-tri-*t*-butylphenyl)-1-aza-3-phospha-allene
X.-G. Zhou, L.-B. Zhang, R.-F. Cai, Q.-J. Wu, L.-H. Weng, Z.-E. Huang 260

Structures and spectroelectrochemistry (UV–vis, IR, EPR) of complexes $[(OC)_3ClRe]_n(abpy)$, $n = 1, 2$; abpy = 2,2′-azobispyridine
H. Hartmann, T. Scheiring, J. Fiedler, W. Kaim 267

Synthesis and molecular structures of dimeric boron compounds
V. Barba, R. Luna, D. Castillo, R. Santillan, N. Farfán 273

Communication

Decomposition of the crown ether ring in the reaction of K^-, $K^+(15\text{-crown-}5)_2$ with oxetane
Z. Grobelny, A. Stolarzewicz, A. Maercker 283

Notes

Two convenient new syntheses of ferrocenoyl chloride by triphosgene
W. Qingmin, H. Runqiu 287

The mechanism of C–C bond formation on the Pt(IV) center involving chelate metallocycle ligands
V.P. Ananikov, S.A. Mitchenko, I.P. Beletskaya 290

Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente: L. Experimentelle Erfassung und Simulation der Elektronenstruktur des ersten metallorganischen π-Komplexes eines Lanthanids der zweiten Halbserie: $(\eta^5\text{-Cp})_3Er{\cdot}CNC_6H_{11}$
H. Reddmann, H. Schultze, H.-D. Amberger, N.M. Edelstein 296

Book Review 300
Erratum 301
Conference Calendar 302
Author Index of Volume 604 304
Subject Index of Volume 604 306
Contents of Volume 604 312